

Reallocations in 4th Quarter and Necessity

CLASS. NO.

535403

The delay in production of the Cardox Ordnance Plant at Claremore, both because of legal and technical difficulties necessitated the following changes:

I Reallocating fusee requirements from Oldbury in November and December, to permit Oldbury to supply the Ordnance flare-loading program. Oldbury specifications are satisfactory but Cardox #1 plant is satisfactory only for Cardox and fusees.

II Continue for November and December from Oldbury to supply various Ordnance pyrotechnic requirements as was done in October.

III Take from Cardox plant #1 and from Cardox stock sufficient $KClO_4$ to balance and make equitable the distribution to the fusee industry and to Cardox for coal mining.

IV Leave allocations on Vick Chemical intact as reallocation from this source will not answer problem.

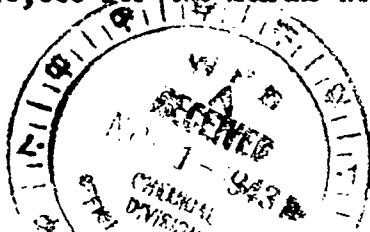
V Allocation changes.

REALLOCATION OF $KClO_4$, 4TH QUARTER 1943

I Cancel allocations out of Oldbury November and December for fusee industry and allocate in place the following Ordnance requirements:

Company	Requested	Allocated October	Ordnance states they need in Nov. & Dec.	Allocated Nov.	Allocated Dec.
Day & Night Mfg. Co.	12,200	4,000	13,360	6,680	6,680
Essex Specialty Co.	37,000	9,000	21,781	10,890	10,890
Int. Flare Signal	8,064	3,000	13,918	6,959	6,959
Jnexcelled Mfg.	148,000	28,000	47,811 - Reading, O. 23,355 - Staten Is.	45,583*	45,583*
U. S. Flare	34,005	12,000	10,887	5,443	5,443
Universal Match	20,000	5,000	14,426	7,213	7,213
Triumph Explosives	22,000	7,000	14,532	7,266	7,266
American Fwks.	30,000	10,000	15,683	7,841	7,841
Backes & Sons	6,600	2,000	11,798	5,899	5,899
Nat. Fwks. Co.	none	have stock	7,960	---	---
Keystone Fwks. Co.	none	have stock	1,128	---	---
Total			196,000	103,774	103,774

* Including 20,000 for two months November and December for Navy contract.



LOG NO. 2374
CLASS. NO. 57314103
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Cardox Corporation was allocated 360,000 pounds ~~KClO₄~~ for use in heater elements in fourth quarter. This amount of 360,000 pounds is all that is expected to be produced in the #1 plant, even though Cardox state they need 450,000 pounds.

However, Cardox has on hand the following stocks, and still will have 60 tons production each in November and December:

Benton, Ill.: 45,000 lbs.
Manning, W. Va.: 43,000 lbs.
Meadowville, Pa: 56,000 lbs.

Bell of Cardox believes his total stock will be about 110,000 pounds as of November 1.

Therefore, it is feasible to allocate 60,000 pounds in first two weeks of November and 60,000 pounds in same period of December to fusee industry from production of #1 plant at Claremore without exhausting the Cardox ~~KClO₄~~ stock.

Therefore, direct Cardox to deliver in first two weeks of November and same period December the following amounts:

<u>Fusee Company</u>	<u>Amount November</u>	<u>Amount December</u>
Central Rwy. Signal		
Needham, Mass.	2,575	2,575
Hammond, Ind.	16,750	16,750
Chemurgic Corp.	2,875	2,875
Sam Jackson Jr.	1,925	1,925
Sam Jacksons Sons	4,300	4,300
Pacific Rwy. Signal	6,600	6,600
Standard Rwy. Fusee	17,000	17,000
Am. Rwy. Signal Co.	2,425	2,425
Lakeside Rwy. Fusee	5,500	5,500
Total	59,950	59,950
Total	119,900	

Note: Discussed with Dr. Huff, Bu. Mines, before action was taken - Cardox can, if absolutely necessary, use sodium chlorate 100% as substitute for perchlorate. However Huff believes from safety side not more than 20% chlorate should be used, in conjunction with perchlorate. Cardox is aware of this, having done it in past.

HISTORICAL REPORT
LOS ANGELES REGIONAL OFFICE
SAN FRANCISCO ORDNANCE DISTRICT
. INSPECTION BRANCH
1 MAY 1944 TO 31 MAY 1944

Authority was granted by the Office of the Chief of Ordnance for the conduct of ballistic acceptance tests of flares and signals being manufactured in the San Francisco Ordnance District by Day and Night Flare Corporation and U. S. Flare Corporation. Authority to make these tests at a nearby proof facility, which are normally made at a proving ground in the East, has been granted in order to decrease the elapsed time between manufacture, testing, and shipment. Lt. Paul A. Sailer, in addition to his other duties, has been acting as Proof Officer. A proving ground has been established near the plant of the U. S. Flare Corporation, San Fernando. Certain equipment has been received from Jefferson Proving Ground, and considerable practice tests have been made by personnel of this office. A representative of this Branch went to Jefferson Proving Ground and returned with information on procedures for inspection. A proof officer from the southwestern proving ground is assisting in initial inspection. In order to assure that inspection at the West Coast proving ground will be satisfactory, the Office of the Chief of Ordnance has requested

that samples from the first five lots tested at the Los Angeles Pyrotechnic Proof Range also be tested by an Eastern Proving Ground.

One carload shipment of Ammunition Boxes from General Water Heater Corporation was rejected at the loading plant because several leaky boxes were found. The gaskets had slipped out of the groove. Disposition of this lot has not yet been determined. The company has been disposing of boxes that were not acceptable to the Resident Inspector by selling them to various department and chain stores in this area for civilian use, but a recent War Production Board ruling suspended such sales. This item has been designated as critical until the completion of the contract.

Inspection procedure employed by Day & Night Flare Corporation and U. S. Flare Corporation has been under review by this office. In order to maintain production with acceptable material until plant inspection procedure was approved, revised Plans of Inspection for Ground and Aircraft Signals and Trip Flares were issued the resident inspectors at these facilities with instructions to put this inspection procedure into effect immediately. In order to provide for closer cooperation between the two Inspection Staffs (Company and Ordnance), company inspectors are performing sufficient inspection on all incoming material and on finished material to satisfy the Resident Inspectors that acceptable material is being produced. Major and critical inspection points are those as outlined in the Inspection Manual, with several modifications made by this office. Both of these plants are manufacturing critical items.

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March 26, 1945

From: Day and Night Flare Corp.
To: Colonel Harmon

Available in the surrounding territory were plant sites which were most suitable for the manufacture of the pyrotechnic items. Some months prior to the thought of the pyrotechnic division, the Day & Night Manufacturing Company had purchased near Azusa, California, property which in its natural state was ideal for such operations. Accordingly, the ownership of a plant site already available, plus the facilities to fabricate metal component parts for any number of pyrotechnic or other related items, led to the establishment of the pyrotechnic division.

The initial efforts of the Day & Night Manufacturing Company to enter the Ordnance production field were carried on directly through the Los Angeles Regional Office. After these relations had been established with the local office, contact was made with the San Francisco Ordnance District in San Francisco.

The Day & Night Manufacturing Company has always been receptive to the Army Service Force programs, as evidenced by the fact of our plant facilities at Azusa, together with other pyrotechnic and bomb loading facilities at San Bernardino and Turlock. The two latter plants are currently under the direction of the Chemical Warfare Service and are plants operated by the Day and Night Flare Corp.

The initial Ordnance contract given to the Day and Night Manufacturing Company was the M46 Photo flash Bomb, under Contract No. W-883-Ord-2701. The date of award was August 27, 1942, and the